

OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

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Multi-cultural Community Days to be Observed Nov. 14 and 15

In an effort to advance President William E. Kirwan's goal of achieving "Excellence through Equity," the Office of Human Relations has declared Nov. 14th and 15th Multi-cultural Community Days.

The purpose of the two-day program is to encourage the awareness and understanding of increasing cultural differences in the classroom and in the community, according to Human Relations Assistant Director Pamela Paul.

"We will ask the faculty to modify their lectures these days to include the contributions of women and minorities," says Paul. "We have people who will show faculty how to structure their classes a little differently so instead of the Euro-American approach, they will be able to consider the perspectives of all ethnic groups and women."

The Office of Human Relations has held multi-cultural community days each year since 1985. This is the first year the observance has involved classroom activities, and in its expanded form was unanimously endorsed by the Campus Senate on Oct. 22. The idea originally stemmed from the annual Sensitivity Awareness Symposium (S.A.S) started in Montgomery County by former council chair Michael Gudis.

"Each year local and state governments and school agencies concentrate on multicultural differences in the workplace the Thursday before Thanksgiving," says Paul. "We also have been doing this for the past five years, but this year it will be much bigger and broader than it has been in the past."

The first day, which will focus on faculty, will include a panel presentation by faculty who participated in last summer's curriculum transformation project, as demonstrations of teaching resource materials. This year there will be an integration with the Classroom Climate project providing in-class and classroom related training for faculty and students. The program's theme is "Teaching, Learning, and Working Effectively in a Diverse Campus Community."

President Kirwan, Robert Dorfman and Kathryn Mohrman are delivering short remarks during the opening ceremony and Brunetta Wolfman, Associate Vice President for Academic Affairs at George Washington University, will give the keynote speech.

A plaque recognizing a faculty member who promotes a positive classroom climate for all students also will be awarded at the opening ceremony. The rest of the day's activities will be a series of discussions and workshops.

Day two will focus on increasing understanding of multi-cultures, and the issues and concerns of specific groups in the College Park community. Groups will include: Native Americans, Arab-Americans, the Jewish community, the Gay/Lesbian community, African Americans, Asian Americans and Hispanic Americans.

"We thought we would talk more specifically about ethnic or other groups and focus on the issues they face in a cultural group," says Paul. "We will also identify what's special

about each group as far as coping skills are concerned."

Paul says the panels will include one faculty member and one staff member and two students. "We want a lot of people with a lot of different views to emphasize the diversity," she says.

Concluding workshops will focus on discrimination, how to use unbiased language in academic publications, and techniques on teaching to a diverse audience.

All workshops are free of charge. Resources and presenters are available for use by faculty members who want their classes to participate in the multi-cultural observance this year. For more information or program scheduling contact Pamela Paul or Gloria Bouis in the Human Relations office at 405-2838.

Patricia Gay



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Weiss Wins Second Major Architectural Competition

Marion Weiss, assistant professor of architecture, and her partner, New York architect Michael Manfredi, were among the first-place winners in a recent New York City architectural competition.

The competition, sponsored by the Columbia University School of Architecture and the Building Arts Forum of New York, drew entries from more than 450 firms and individuals in the United States, Canada, Europe and Israel. It was held as part of the city's effort to improve pedestrian access between key sections of lower Manhattan.

In the competition, architects were asked to develop an architectural solution improving access in areas

of lower Manhattan that are now separated by ramps at the foot of the Brooklyn Bridge and heavy traffic on Park Row.

The Weiss/Manfredi entry, one of three first-place winners, proposed creating a promenade between the East and Hudson rivers with elevated walkways in places to allow for both pedestrian and vehicular traffic.

It is the second major award for Weiss and Manfredi. Last year, their design was selected for the Women-in-Military Service Memorial that will be constructed at Arlington National Cemetery.



Marion Weiss

AL DANIEGGER

Ford Renews Support of Foreign Policymaking Program

The Ford Foundation has renewed its support of the School of Public Affairs' Seminar on the Foreign Policy Process with a three-year, \$1.35 million grant. The program, directed by public affairs professor I.M. Destler, provides a select group of government practitioners and policy-oriented scholars from overseas with intensive exposure to how the United States makes foreign policy. On completion of the seven-month program, the foreign policy fellows are awarded a certificate from the school. During the 1990 academic year, 19 fellows took part in the program.

Libraries Receive James Cabell Bruce Papers

The personal papers of the late James Cabell Bruce, former U.S. Ambassador to Argentina, financier, industrialist, and member of a prominent Maryland family, have been given to the University of Maryland at College Park Libraries for permanent placement in its Historical Manuscripts and Archives Department.

In announcing the acquisition, H. Joanne Harrar, Director of Libraries at the University of Maryland at College Park said "These personal papers highlighting such a distinguished career constitute a very rich collection, one that should be most valuable to researchers and an extremely important addition to the holdings of our Archives."

The James Bruce collection includes correspondence from Presidents Truman, Eisenhower, Kennedy and Johnson, Vice President Alben W. Barkley, Governors J. Millard Tawes of Maryland, Abraham Ribicoff of Connecticut, G. Mennen Williams of Michigan, Luther Hodges of North Carolina, James Byrnes of South Carolina, and Thomas Dewey of New York, Secretaries of State George C. Marshall, Dean Acheson, John Foster Dulles, Christian Herter, and Dean Rusk,



Ambassador Bruce (left) with President Juan Peron of Argentina in this 1947 photo.

Francis Cardinal Spellman of New York City, President Juan Peron of Argentina and his wife Eva, as well as from many other prominent public figures.

The more personal side of Bruce's life is also represented by early correspondence with other members of his family, biographical files, photographs of the Bruce family and photo albums of family residences.

A native of Baltimore whose dis-

tinguished family included his father, William Cabell Bruce, a U.S. Senator from Maryland and a Pulitzer Prize-winning biographer, and his brother, David K.E. Bruce, U.S. Ambassador to France, Great Britain, West Germany, and NATO, Bruce graduated from Princeton University in 1914 and from the University of Maryland Law School three years later.

Report on "Undergraduate Education Day, 1990" is Available

Last spring, the seven 1989-90 Lilly Faculty Fellows sponsored "Undergraduate Education Day, 1990," in which classroom time was set aside across campus for teachers and their students to discuss the undergraduate program at College Park.

(The Lilly fellows are: Kent Cartwright, English; Joan Frosch-Schroder, Dance; Andrew Marcus, Geography; Joy Mench, Poultry Science; Sheri Parks, RTVF; Mary Sies, American Studies, and Gerald Wilkinson, Zoology.)

Although only the departments of the seven fellows were targeted for participation, more than 200 individual classes involving some 7,000 students took part in the day, and more than 500 pages of reports were generated.

A report has been issued on the success of the project and on some of the problems and opportunities it raised.

Lilly Fellows co-directors Kathryn Mohrman, Dean of Undergraduate Studies, and Maynard Mack, Jr., professor of English, who co-authored the report, note that comments emerging from this project range from praise to criticism, from problems with advising and campus bureaucracy, to concern about the weight good teaching receives in promotion and salary considerations, to deep appreciation of the many concerned faculty who work hard to ensure that their students learn.

Among the literally hundreds of suggestions that were made, three major areas of interest and concern were identified—advising, respect

and community, and teaching.

Many students called for a significant increase in faculty participation in advising or the creation of some formal "mentoring" program in which faculty would help students sort out their intellectual and academic priorities while trained advisors would provide help with all the rules, the report notes. "Unanimous among faculty and students was the sentiment that more resources and better coordination are needed in the whole area of advising, campus-wide," the report finds.

"Undergraduate Education Day tapped a well of eagerness for closer and more varied contact between faculty and students," the report says. "Several departments are in the process of forming, restarting, or strengthening their undergraduate associations as a result of the event."

The desire to repeat Undergraduate Education Day in some form or other next year was unanimous. Participating departments and teachers were praised for showing a commitment to making things better.

Most of the discussion and written comment focused on teaching, with comments and proposals falling into two main categories—those aimed at correcting abuses or weaknesses in existing classrooms and those aimed at increasing the campus' valuation of good teachers as a long-term means of improving the undergraduate experience.

"Virtually everyone speaking or writing about teaching called for more flexibility in the reward systems on campus so as to encourage

good teaching," the report notes.

"Students also expressed a tremendous desire for more 'active learning' exercises in all courses by which they would be involved and made responsible, not just left passively taking notes."

Copies of the report are available in the Dean's Office of Undergraduate Studies, 1115 Hornbake or Maynard Mack's office, 1197 Taliaferro Hall.

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Roz Hiebert, Editor Outlook, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is outlook@pres.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

School of Public Affairs Seeks Consultants for Foreign Policy Work

The School of Public Affairs is looking for on-campus specialists interested in short-term consultancies under a three-year, AID-funded project to improve relations between the public and private sectors in Sri Lanka. The consultancies would involve improving business information services within chambers of commerce and trade associations, analyzing economic policies, facilitating the on-going dialogue between public and private sectors in meeting economic goals, and examining the public/private sector interaction in industries such as gem trade and vegetable exports. Interested persons should contact Jane Thery at 405-6356 for further information.

NEWS

College Park Participates in \$5 Million Project in Egypt

During the past three years, the university received \$80,000 annually to collaborate with the National Weather Service on constructing computer models, remote sensing, and development of geographical and agricultural information systems of the Nile River Valley.

Talaat Shehata, program director of International Grants and Contracts, has been instrumental in starting the first phase of a Maryland-Egypt partnership. Shehata also is the program director in the Office of International Programs for the Colleges of Agriculture and Life Sciences.

As a result of their visit to the Middle East last year, President William E. Kirwan and Governor William Donald Schaefer renewed university contacts with several Egyptian educational institutions. Paul Mazzocchi, dean of the Colleges of Agriculture and Life Sciences, led a delegation to Egypt last March and

participated in a workshop between Cairo University and the University of Maryland.

All of these contacts led to College Park becoming a part of a collaborative team with the National Oceanic and Atmospheric Administration, the United Nations Food and Agriculture Organization in Rome, and the Egyptian Ministry of Public Works and Water Resources that has received a \$5 million grant from the U.S. Agency for International Development to improve the quality of modeling prediction and management of water resources in Egypt's Nile Valley.

The project is intended as a long-term program, lasting at least a decade, and is designed to develop a river forecast system for the Nile Basin. Tasks include the development of improved models, the integration of advanced remote sensing technologies, use of satellite and other communication links, and

development of geographic and agriculture information systems.

College Park's share of the project is \$1.2 million for the next three years. However, more funds will be added to the project after the first of the year to initiate training programs for Egyptian scientists and engineers. A major portion of the research will be conducted by the Remote Sensing Laboratory in the Department of Civil Engineering, directed by Robert Ragan. Shehata is the College Park management and training coordinator for the project.

College Park graduate students and faculty members from Engineering, Computer Science, and Agriculture will participate in research and training with scientists and engineers from Egypt, Italy and the United States.

Byrd Renovation Underway

Byrd Stadium will feature a new press box and new seating for about half the stadium next fall—two of the first steps in a long-term stadium renovation project that began recently.

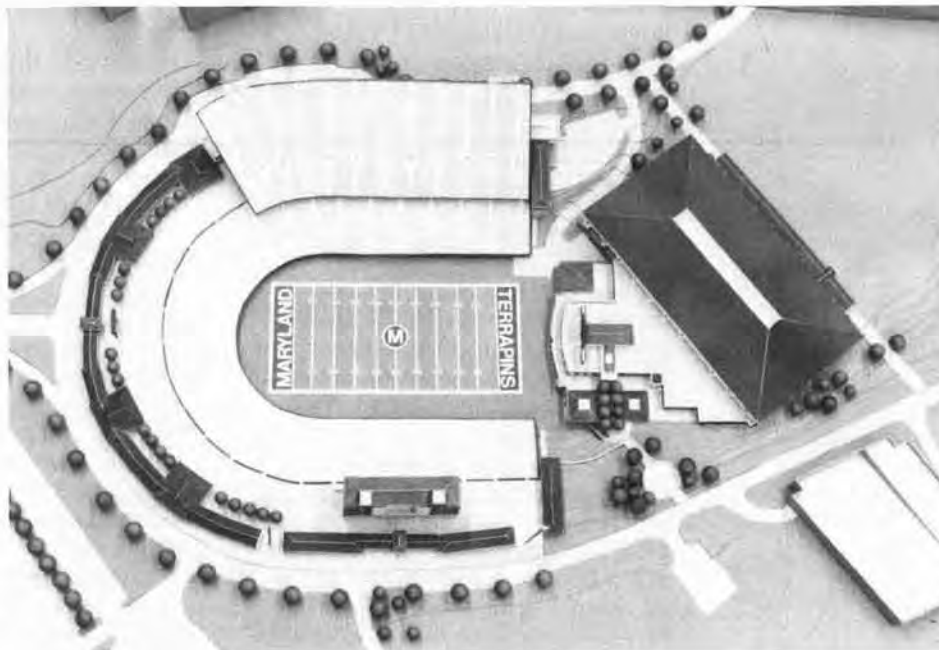
The current work is scheduled for completion before the start of the football season that begins in September 1991, according to Bill Driesslein, project manager for the Department of Engineering and Architectural Services. During the construction period, the stadium will remain open for recreation on a limited basis, although the running track will be partially covered. (The track eventually will be removed from the stadium. Replacement plans for the track are not yet settled.) Men's home lacrosse games will be played in the stadium this spring, but with seating limited to the north side of the stadium, officials say.

While the stadium will be noticeably altered by next fall, the current work is only the beginning of a renovation program that is planned to include construction of a new football team building, an indoor practice facility and an upper deck on the north side of the stadium.

The stadium renovation project is part of a plan to upgrade facilities for Intercollegiate Athletics through funds raised by the athletic program and matched by grants from the state. In all, some \$60 million in renovations are planned and eventually will include work on the Cole Student Activities Building.

The work this fall and winter will be concentrated on the south side of the stadium, Driesslein says.

A model of plans for renovation of Byrd Stadium



In an effort to improve the infrastructure of the stadium, extensive underground work will be done on the drainage system and the concrete in the south half of the bowl will be replaced, he says. More visible will be the new, three-level press box that is planned to be seven times as large as the existing structure, new restrooms and concession stands and about 20,000 new seats.

Between the 1991 and 1992 football seasons the renovations will continue, with work concentrated on the north side of the stadium. That part of the project again will include drainage work, replacement of concrete, new seats and new restrooms and concessions stands.

The other major renovations planned, including the construction of a new football team building, an indoor practice facility and an upper deck on the north side of the stadium will be done when funds become available. The football team building, which will be built just beyond the east end of the field, could go under construction as early as 1991-92, Driesslein says.

Brian Busek

Fanning Becomes SSSA Fellow

Delvin S. Fanning was selected as a fellow of the Soil Science Society of America at the society's October 21-26 meeting in San Antonio.

Fanning, a professor of soil science in the Department of Agronomy, is now among the only 0.3 percent of SSSA members who have been elected fellows. The nomination, made by colleagues in the society, is based upon professional achievement and meritorious service.

Fanning earned his bachelor's and master's degrees from Cornell University, and a doctorate from the University of Wisconsin. His specialties are soil mineralogy and morphology, genesis and classification. He has served as associate editor of the *Soil Science Society of America Journal*.



Terry Parssinen

New Director Sets Agenda for University Honors Program

Where can a College Park undergraduate take a course entitled "Technology in a World Economy" that is taught by the dean of the College of Engineering George A. Dieter?

Where can the student have an opportunity to enroll in a class taught by any one of this year's five Distinguished Scholar-Teachers?

What program this year is offering a 25 percent increase in the number of its special seminars and courses?

The College Park Honors Program, that's where.

Although University Honors Program Director Terry Parssinen's current research interests are focused on the illicit international narcotics trade, it is the College Park Honors Program that will occupy the bulk of his time and attention this fall.

This past summer Carolyn P. Boyd, the University of Texas historian who directed the Maryland program since July 1989, for family reasons reluctantly returned to Austin where she resumed her duties as associate dean of the graduate school there.

Parssinen was appointed honors program director in July.

"For me, this is a great opportunity," says Parssinen. "Carolyn got the program off to an excellent start in the right direction last year. Now, I've got the chance to help move it along."

The new director is no stranger to honors programs. A member of the Temple University faculty since 1970, he taught honors classes, advised honors students, and recruited them. He also was chair of the faculty committee that oversaw the Temple honors program. He says he expects to teach an honors class next spring.

Chief among Parssinen's immediate goals for the coming academic year is putting in place the recommendations of an Implementation Committee that spent last

year designing a new, restructured University Honors Program.

He says he expects between 300 and 350 students will enter the program each year, about the same number as last year. This fall, entering honors students had an average SAT of 1266 and a GPA of 3.6. A total of 1200 undergraduates currently are enrolled in the program at College Park.

"Another goal is to get more of our regular faculty members involved in teaching honors courses," he says. For the first time this past year, the Office of the Dean of Undergraduate Studies earmarked funds to reimburse academic departments so they could release faculty to teach in the honors program.

"This support from Dean Mohrman has been extremely helpful in inducing department chairs to allow their faculty to teach for us," Parssinen says. "Increasingly, we want to draw on full-time faculty while at the same time keeping our outstanding part-time instructors. Each year the university's distinguished scholar-teachers also teach honors courses."

Another major project expected to get underway this year is the conversion of Anne Arundel Hall to an honors dorm. The new honors center will include faculty and administrative offices, seminar rooms, performance space, coffee and dessert bar, lounge, a small library, study rooms and a residential apartment for visiting scholars. The upper floors will house approximately 100 honors students.

About half of all honors students now live on campus on five honors floors in several dorms. Because he believes much real learning can take place in residence halls as well as in classrooms, Parssinen would like to see this number increase.

He says he hopes this new living/learning center also will become the focal point for under-

graduate intellectual life at College Park when it opens in fall 1991.

All programs held at the honors dorm such as readings, performances, and lectures, will be open to the general campus community.

"One of my long term personal goals is to have the honors program mirror the enormous and wonderful diversity of the state of Maryland and this university," he says. He hopes that the percentage of black students in honors will equal the percent of the black students enrolled at College Park. He also hopes to encourage greater geographic diversity among honors students. Currently, a disproportionately large number of honors students are from Prince George's, Montgomery and Baltimore Counties.

During his spare time, Parssinen hopes to complete work on a book called *Profit and Power: A History of the International Narcotics Traffic from the 18th Century to the Present*. He says it is a kind of "business history" of the narcotics trade that will focus on the structural changes in the industry in response to changes in consumption, regulation, and technology.

Parssinen earned both his master's and doctoral degrees in the history of ideas from Brandeis University and holds a bachelor's degree in history from Grinnell College.

He joined Temple in 1970 as assistant professor and was appointed professor in 1983. He served as Associate Provost for International Programs at Temple from 1983-1986 where he was responsible for all Temple's international programs including administration of overseas campuses, exchange programs, and overseas study tours, and was assistant dean of the College of Arts and Sciences from 1982 to 1983.

Tom Otwell

Freshman Honors Colloquium a Success

This semester, for the first time, the University Honors Program is offering a new, one-unit course specially designed for entering Honors students.

The course is intended to enhance the freshman-year experience by encouraging new Honors students to think broadly about the personal and social value of education and about what it means to be an educated person.

Two hundred sixty-five new Honors students signed up to take the course which meets once each week in 16 sections. Each section is taught by two advanced Honors

students who were carefully selected and trained to lead this seminar.

Class activities are designed to help students explore the educational and cultural resources of the university and the Washington metropolitan area, notes Jane Lawrence, assistant director of the University Honors Program. They are also encouraged to think concretely and synthetically about their proposed coursework, especially their general education courses and their Honors curriculum, and to develop a commitment to community service as part of living a humane life.

Students have volunteered more than a thousand hours to the community by helping to clean up streams, staff soup kitchens and child care facilities, and work at shelters for the homeless.

Course activities include reading and discussion of a set of articles on the nature and value of a liberal education; development of a tentative academic program; participation in a community service project, a campus lecture series, a cross-cultural or international experience, as well as various cultural events.

Ideas For AIDS Awareness Week Classes

Robin Sawyer (Health and Human Performance) is collecting ideas for classroom topics related to AIDS Awareness Week, Nov. 26-Dec. 1. Faculty members are encouraged to find ways to use a regular class session to discuss an aspect of how AIDS relates to the subject they teach. Sawyer is collecting ideas to make available to interested faculty members. To contact Sawyer, call 405-2517.

ARTS

New Volume in Freedmen and Southern Society Project Ready for Publication

Cambridge University Press is scheduled this winter to issue the third volume in the Department of History's monumental Freedmen and Southern Society project.

The new volume, *The War Time Genesis of Free Labor: the Lower South*, describes the various ways in which freed slaves were introduced into the free labor work force. It is part of an ongoing project, started in 1976, in which College Park historians use documents from the National Archives to portray the lives of freed slaves during the Civil War and Reconstruction.

A team of historians, headed by Ira Berlin, professor of history, has collected more than 40,000 documents as part of the study. The records include letters and forms collected from dozens of federal agencies, some that continue to exist such as the Treasury Department and some defunct offices such as the Bureau of Refugees that were created to deal with then-topical problems.

Previous volumes in the series focused on the black military experience during the Civil War and the process of emancipation. Among many honors earned by the project is the J. Franklin Jameson Prize of the American Historical Association which is given every five years for outstanding achievement in historical editing.

Leslie Rowland, project co-editor, says the new volume is the

first in a two-part look at the transition of southern blacks from slaves to free laborers during the Civil War. The current volume focuses on areas in the lower south that came under Union control during the war, including parts of South Carolina, Georgia, Florida and Louisiana. A second volume on the subject will focus on states in the upper South.

"Of about four million slaves in the South at the beginning of the war, about one-half million made the transition to free labor," Rowland says.

However, the ways in which blacks were introduced to free labor varied widely. Many former slaves were placed in jobs through programs planned or supported by the Union government. Some became soldiers; some found other army-related jobs; some were hired by northern investors to work cotton fields; some moved to cities and became part of the urban workforce; others were set up as squatters with their own patches of land.

Even in areas not directly influenced by Union policies, slaves found opportunities for free labor arrangements during the war, Rowland says. Some Southern landowners offered slaves an income, such as a share of crops harvested, for agreeing to stay on the plantation.

"For [ex-slaves], the fondest



Ira Berlin heads the Freedmen and Southern Society project

dream was to own land," Rowland says. "When they had opportunities to work independently, they tended to avoid growing cotton. They first established subsistence crops, then market crops. Generally, they were successful in supporting themselves and producing surpluses."

In addition to their new volume, the editors are working on an abridgement of material from the Civil War years. The project, *Slavery, Freedmen and the Civil War* will distill four volumes of material into a single volume. Designed for classroom use, it is scheduled for release in late 1991.

Brian Busek

University Theatre Will Present "The Wiz"

Members of the University of Maryland Gospel Choir will be off to see the wizard in University Theatre's production of "The Wiz."

Performances of the musical will be held Nov. 8-10 and 15-17 in Tawes Theatre.

"The Wiz" is an urbanized adaptation of Frank L. Baum's *The Wonderful Wizard of Oz*, in which the Kansas-bred Dorothy of Baum's book is transformed into a city-born, African American young woman.

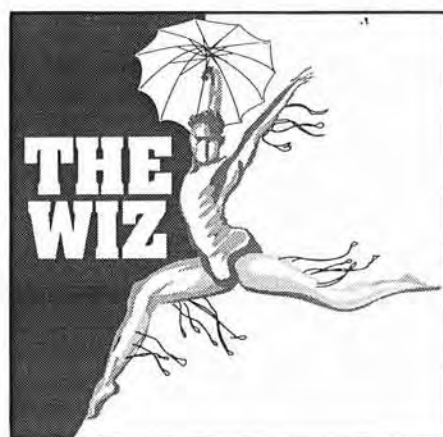
The play appeared on Broadway in the 1970s and in a later film starring Diana Ross. Noted for its gospel, soul and rock style music, the play yielded a hit popular song, Stephanie Mills' "Home."

Members of the University of Maryland Gospel Choir will play a prominent role in the production. Choir director Valeria Foster is the musical director with many choir members playing character roles or serving as background singers in the production.

Mike Malone, who coordinates the musical theatre program at Howard University, is the guest director and choreographer for "The Wiz." Malone, who is also co-

founder of the Duke Ellington School of the Performing Arts in Washington, D.C., has worked as a choreographer on Broadway and with the television series, "Fame." Following the Nov. 15 performance, the audience is invited to a discussion with the show's cast and production staff. The discussion will be led by Frank Mundy, a doctoral student in the Department of Theatre.

For further information call the Tawes Theatre Box Office 405-2201.



Dance Concert to Feature Warren's Work

A new work by Anne Warren and her reconstruction of a Doris Humphrey classic will be featured in a faculty dance concert 8 p.m. Nov. 14-17 in the Studio/Theater of the Dance Building.

The program will feature a premiere of Warren's "Images from the Land," an exploration of personal meanings of natural phenomena. The dance, a quintet, is supported by a Creative and Performing Arts Board award.

A second selection, "The Shakers," is a restaging of a dance choreographed by Doris Humphrey in 1931. Reconstructed by Warren from an annotated score of the original production, the dance is based on the Shaker sect and their belief in literally shaking off their sins.

In addition to members of the dance faculty, Daniel Rudolph, professor of mathematics, and Kent Cartwright, associate professor of English, will perform in the program.

For information call 405-3180.

Expert Will Discuss Medicinal Uses of Plants

A leading expert on the medicinal uses of plants will present a lecture on the "Science and Mythology of Medicinal Plants in Puerto Rico and the Latino World" at 3 p.m. Wed., Nov. 14, in the Maryland room of Marie Mount Hall. Eloy Rodriguez, professor of biological sciences at the University of California, Irvine, will discuss the medical use of plants in the Caribbean and Latin America by both human beings and wild animals. Recent research has shown that some Amazonian apes and monkeys use plants to doctor themselves. The lecture is sponsored by the University of Maryland Student Chapter of the Association of Hispanics in Science and Engineering.

Shedding More Light on Cosmic Mysteries

The ancient Greeks built temples on hilltops in efforts to get as close as possible to it. Germanic tribes named the seventh day of the week after it. Japanese emperors are believed to be its direct descendants. Cultures around the world and down the ages have deified it in different forms, usually unbeknownst to each other.

Today, many physicists regard the sun as a dynamo with an 11-year cycle, and Douglas G. Currie, physics professor and head of the 18-person Astro-Metrology Research Group of the physics department, spent this summer in the Soviet Union discussing collaborative research projects designed to bring forth more knowledge about the sun and other parts of the universe. Currie also gave an invited talk at an international symposium held aboard a cruise ship sailing from Perm to Moscow along the Volga River. He was one of only 20 non-Soviet citizens among the 225 participants.

The invitation from the Soviets to Currie was prompted by his involvement with NASA's Hubble Space Telescope. As one of the original members of the Instrument Definition Team for the Wide Field/Planetary Camera, he had been able to apply methods developed in the new science of chaos to predict solar activity. The level of this activity could have significant impact on the lifetime and operability of the Hubble, reducing that lifetime below limits that were acceptable for a launch. Currie was able to make predictions which are a factor of two better than traditional methods used by the National Oceanic and Atmospheric

Administration and the Marshall Space Flight Center. Word of these predictions traveled fast. "We're now setting up a joint venture (with the Institute of Continuous Media Mechanics in Perm) to study the physics of the 11-year activity cycle of the solar dynamo. The Russians have an extensive laboratory for studying fluid turbulence, and my group will be trying to understand the physical models from the historical data," says Currie.

In addition, Aleksey Fridman, a member of Moscow's Astronomical Council (the equivalent of being a member of the astronomy sections of both the NSF and NAS), plans to visit College Park next year to teach a course and to collaborate on the study of rotating galaxies and molecular clouds. Among other research which Currie has undertaken with facilities in the USSR is one with the 50-meter millimeter-wave radiotelescope in Armenia, one of the largest in the world, which will combine with the work of Leo Blitz, professor of astronomy, and the BIMA wave interferometric telescope to study interacting galaxies.

Currie also has studied the Earth's atmosphere. "The atmosphere acts like a prism," he says. "If you send two different colors through it, you can tell how much distortion there is from how much they are bent. You only have to aim these colored beams of light at the horizon to see the light bend and the particles of light dancing on the horizon." From this disturbance of the light, he can learn both the properties of the Earth's atmosphere and how much our view of the stars is disturbed by

the atmosphere.

Currie and his group also have moved on to measure the diameter of stars. Currie has proposed, devised and developed a device known as an amplitude interferometer, a unique instrument that obtains extremely high-angular resolution for astrophysical measurements. It has measured 200 diameters of more than 15 stars at various wavelengths with minute accuracy. These measurements are now used by the space community for determining the effective temperature of stars in general and for building models of their structure and evolution.

Currie also has organized the analysis facility for the Hubble at Bowie State University. "Most of the science for the Wide Field/Planetary Camera won't start until 1992," he says, "but already with this camera we've looked at one galaxy (NGC 7457) and we see a possibility of there being a black hole at its center. Also, an image of the planet Saturn reveals the details of its upper atmospheric structure."

So a certain amount of progress has been made since the ancient Greeks viewed the sun as a chariot being driven each day across the heavens by Apollo. Using the light from the sun, Currie bends and reflects that light, throws in a little chaos theory, and sheds more light not only on what was once the brightest of dark mysteries but also on the Earth itself and many other cosmic objects.

Pam Solomos



Douglas G. Currie

AL DANEGGER

Human-Computer Interaction Laboratory to Unveil High-Precision Touchscreens

High precision touchscreens whose speed and accuracy exceeds most other pointing devices used with personal computers and workstations have been developed by the Human-Computer Interaction Laboratory.

These novel touchscreens and some of their uses will be demonstrated by Ben Shneiderman, professor of computer science and head of the laboratory, at a news conference at 1 p.m. Thursday, November 8 in Room 2120 of the A. V. Williams Building.

Applications will include reliable home automation scheduling such as setting a VCR to record at a certain time, museum installation for the Smithsonian Institution with information on archaeological dig sites, a new computer painting program with music called PlayPen II, a prototype for remote medical instrument, touchscreen keyboards,

and an information retrieval kiosk.

"This reach out and touch technology is fun to use and offers developers exciting commercial opportunities," Shneiderman says.

Researchers have been refining the software methods to overcome the weaknesses of early touchscreens, thus opening the door to a large number of commercial applications, the College Park professor notes. "Touchscreens have the advantage of durability in public access and home applications, ease of learning, high user satisfaction, and convenience in medical and scientific instruments," he says.

In a series of experimental studies over the years, involving hundreds of subjects, the College Park researchers have refined touchscreen technology to allow rapid pointing, dragging of icons, movement of sliders, selection of buttons, and drawing. The results,

which demonstrate that pointing at a single pixel (one point of light on a computer display, less than a square millimeter) is possible with a touchscreen, will appear shortly in the *International Journal of Man-Machine Studies*. These breakthrough results overturn what most textbooks say about the precision of touchscreens being limited to about one square centimeter, or the size of a finger.

At 3 p.m., Shneiderman will brief an eight-member delegation from JEIDA, Japan Electronic Industry Development Association, a branch of MITI, the Japanese Ministry of Technology and Economic Development. The delegation, led by Professor Makoto Arisawa of Keio University, is preparing a report on personal computing in the year 2001.

Tom Otwell

Adults Health and Development Program to Hold Annual Awards Celebration

The annual awards ceremony of the Adults Health and Development Program (AHDP), an unusual program that pairs students with senior citizens, will be held on Saturday, Nov. 17 from 12 noon to 2 p.m. in the Atrium of Stamp Union. According to director Dan Leviton, the event will be preceded by an opportunity to see the AHDP program in operation from 9:30 a.m.-noon next door in Cole Field House. Visitors are invited to participate in the square dancing, bowling, aerobics, and other activities of the program. Call Leviton at 405-2528 for information.

F.Y.I.

Bruce Fretz: Teaching Teamwork

Bruce Fretz's first teaching position was a graduate assistantship at Ohio State University in 1962.

Now, as a professor in the university's psychology department, he has taken on the task of instructing TAs how to become more effective teachers.

As a spin-off from a training course last spring that met with wide enthusiasm and success, Fretz has coordinated a series of workshops this semester for graduate TAs. The workshops are designed to orient teachers-to-be with such classroom management issues as designing curricula, eliciting student feedback, developing active learning strategies, and dealing with the emerging cultural diversity issues.

Fretz's commitment to teamwork and his facility at problem-solving have helped him in his own classroom situations as well. He commends the university's aim to improve undergraduate instruction and facilities. "We certainly are paying much greater attention to undergraduate education—beyond the 'mass classroom' scenario." In his introductory psychology class, Fretz encourages student input and participation. He predicts "very promising things [for the university], with the quality of students who are coming here now."

Fretz specializes in counseling psychology. His current work involves studying the effectiveness and processes of career counseling. In collaboration with colleagues both here and at Lehigh University and a team of graduate students, Fretz is using a battery of tests and questionnaires to evaluate stress levels of a group of adults ages 25-50 who find themselves in unhappy job situations.

What is unusual about the project is its level of analysis, which Fretz says is called "process re-

search," since it focuses not only on the outcome, but on the actual workings of a specified procedure. By questioning the patients immediately following their counseling sessions, he hopes the study will reveal what parts of the session are most helpful, which are least helpful, as well as provide insight on the effects of career counseling on the mental health of its clients.

The university's graduate program in counseling psychology is top-ranked in the country, according to citations in *The American Psychologist*. For the last ten years, says Fretz, the department had led in the rate of published articles in scholarly journals. "That in turn has meant bright, enthusiastic, and competent graduate students to work with each year. When you put the two things together," he notes, "it's a very nice place to work."

Fretz sees a connection between the organizational and problem-solving techniques he uses in the realm of academia and his new administrative position as chair of Campus Senate, to which he was elected this September.

According to Fretz, the senate operates on similar problem solving mechanisms. It is designed, he says, to fully research and explore the issues it confronts, so that "we know we are dealing with problems that can be solved; we don't just tell a committee, 'Go solve this.'"

Says Fretz, "In my view, it's a particularly good time to be working with the senate, since we have an administration now that encourages shared governance. Stressing the importance of cooperation and shared responsibilities, he adds, "We're now asking questions such as 'How can we work together to make this a better institution?,' and

'How can we attract and keep valuable faculty?'

Some of the recent issues being addressed by the senate involve developing standards for training, supervising, and evaluating TAs, a policy which was just passed at the Oct. 22 meeting, and another, more comprehensive proposal to develop standards for student advising.

"It's a challenge," admits Fretz of his senate role. "The chance to work with so many different people on campus who all have a common interest in improving the quality of education at the university is very rewarding—it's teamwork for a very committed team."

Jennifer Bacon



Bruce Fretz, professor of counseling psychology and chair of the Campus Senate

Facts and Figures: A Year in the Life of the Campus Senate

The University of Maryland at College Park Campus Senate is just completing its busiest and most successful year ever.

"This is a very exciting and demanding time," says Kathleen Smith, the executive secretary of the Campus Senate.

Recently, Smith and staff secretary, Mary Lou Gayda, who has worked in the office for the last 16 years, put together some facts and figures for 1989-90 to help the average person understand a year in the life of the Campus Senate.

According to Smith and Gayda, there were 160 elected voting members of the senate, including 104 faculty, 19 staff, 26 undergraduate students, nine graduate students and two academic administrators.

The senate met nine times, eight regular meetings and one special

meeting, during which they approved 42 documents, including 13 new policies, six plans of organization, two bylaw changes, and 11 resolutions.

Approximately 18 hours and 49 minutes were spent in session with 207 people receiving full information packets and 141 more, including all department chairs and program directors, receiving agendas.

Senate activities included sending representatives to seven Board of Regents meetings and two special meetings with individual regents, as well as to eight meetings with members of the Maryland General Assembly.

Campus Senate representatives were nominated to serve on campus-wide committees, including Academic Planning Advisory Committee (APAC), Athletic Council,

Student Union Board, Board of Governors of the College Park Alumni Association, Committee on Academic Computing Policy and Campus Parking Advisory Committee.

Two-hundred fifty six members served on standing committees, 10 members on interim committees, 13 members on task forces, 20 members on the faculty grievance panel, and 24 members on ad hoc committees for a total of 323 committee positions.

The Senate's executive committee met 24 times in regular session, twice in special sessions, and in eight breakfast meetings with the president, to review 343 committee agenda items—a total of 68 hours' of meeting time. Don C. Piper served as chair for 1989-90.



Campus Senate executive secretary Kathleen Smith (left) and staff secretary Mary Lou Gayda.

CALENDAR

NOVEMBER 5-14



Irena Klepfisz, activist in the Jewish feminist movement and well-known poet, will speak on Jewish women's peace movements in the Middle East, November 5 at 8 p.m. On November 6, Ms. Klepfisz will read from her poetry collections, *Keeper of Accounts*, and *A Few Words in the Mother Tongue*, at 8 p.m. in the Katherine Anne Porter Room, McKeldin Library. Call 314-7684 for information on the lecture, and 405-3820 for the poetry reading.

5 MONDAY

Art Exhibition: "Works in Process: Creative Encounters by Artists, Therapists, and Clients," today-Nov. 23. Parents' Association Art Gallery. Call 4-ARTS for info.

Jewish Heritage Celebration, today-Nov. 15, speakers & activities. Call 4-8328 for info.

Women's Commission Meeting, noon-1:30 p.m., 2105 Main Administration. Call 5-5806 for info.

Computer Science Colloquium: "Functional Documentation for Computer Systems," David L. Parnas, Queens U., Canada, reception, 3:30 p.m., 1152 A.V. Williams Bldg., lecture, 4 p.m., 0111 Classroom Bldg. Call 5-2661 for info.

Space Science Seminar: "Solar Winds Interactions with Venus," L. H. Brace, NASA/Goddard, 4:30 p.m., 1113 Computer & Space Sciences. Call 5-4829 for info.

Women's Studies Lecture: "Women, Peace, and the Middle East: A Poet's and Activist's Perspective," Irena Klepfisz, 8 p.m., 2203 Art/Soc. Call 5-6877 for info.

Faculty Emeriti Awards Dinner, 6:30 p.m., Grand Ballroom, Stamp Student Union. Call 5-4638 for reservations & info.

6 TUESDAY

Employee Development Seminar: "Public Relations in a University Setting," 9 a.m.-4 p.m., 0109 Center of Adult Education. Call 5-5651 for info.

Zoology Seminar: "The Evolution of Specificity in Insect/Plant Interactions," John Thompson, Zoology & Botany, Washington State U., noon, 1208 Zoo/Psych. Call 5-6939 for info.

Art Department Minorities & Women Lecture, Yvonne

Pickering Carter, Performance Artist, 12:30 p.m., 1309 Art/Soc. Call 5-1442 for info.

Music Department Faculty Recital, 12:30 p.m., Tawes Recital Hall. Call 5-5548 for info.

Manufacturing Seminar: "Design for Analysis: A New Engineering Strategy for Improving Manufacturing Competitiveness," Rajan Suri, U. of Wisconsin at Madison, 2 p.m., 1105 Journalism. Call 5-2241 for info.

Physics Colloquium: "A Theorist's View of What Experiments Are Telling Us About Oxide Superconductors," Douglas Scalapino, U. of California at Santa Barbara, 4 p.m., 1410 Physics, tea reception, 3:30 p.m. Call 5-3401 for info.

Movie: *Henry V*, 7 p.m., Hoff Theatre. Call 4-HOFF for info.

Guarneri String Quartet Open Rehearsal, 7 p.m., Tawes Recital Hall. Call 5-5548 for info.

See Production Lecture: "Vietnam: How Could This War Have Happened?," Neil Sheehan, author, *A Bright and Shining Lie*, 7:30 p.m., Colony Ballroom, Stamp Student Union. Call 4-8342 for info.

Writers Here & Now Reading, Irena Klepfisz, novelist, 8 p.m., 3101 McKeldin Library (Katherine Anne Porter Room). Call 5-3819 for info.

7 WEDNESDAY

Employee Development Seminar: "Overview of Communication Services," 9 a.m.-noon, Maryland Room, Marie-Mount. Call 5-5651 for info.

Counseling Center Research & Development Meeting: "Is What You See What You Get?," Maynard Mack, English, noon-1 p.m., 0106-0114 Shoemaker. Call 4-7691 for info.

First Wednesday Social Science Faculty Seminar: "Chaotic Dynamics and its Relevance to the Social and Behavioral Sciences," James Yorke, Institute for Physical Science and Technology, noon-1:30 p.m. (bring lunch), 2141 Tydings. Call 5-1689 for info.

Committee for Undergraduate Women's Leadership Seminar: "Women in the Classroom," Betty Schmitz, Ronald O'Leary, & Sherry Parks, 4-6 p.m., Prince George's Room, Stamp Student Union. Call 4-8505 for info.

Movie: *Henry V*, 4:30, 7, & 9 p.m., Hoff Theatre. Call 4-HOFF for info.

Graduate School Distinguished Lecturer: "Evolution of the Early Universe," Alan Guth, Center for Theoretical Physics, MIT, 7:30 p.m., 1412 Physics. Call 5-4258 for info.

Music Department Jazz-Piano-Vocal Workshop, 8 p.m., Tawes Recital Hall. Call 5-5548 for info.

Urban Studies Carl N. Ruskin Memorial Lecture: "The New Wave in our Neighborhoods: New Opportunities for Partnership," Paul Brophy, Enterprise Foundation, 8 p.m., Auditorium, Social Work Bldg., Fund-Raising Dinner, 6:30 p.m., University Club, UMAB. Call 5-6790 for info.

8 THURSDAY

Black Women's Council Luncheon, featuring Marie Davidson, executive assistant to the president, noon-2 p.m., Rossborough Inn. Call 4-7225 for info.

Meteorology Seminar: "The Hadley Circulation," Edwin Schneider, Meteorology, 3:30 p.m., 2114 Computer & Space Sciences., refreshments at 3 p.m. Call 5-5392 for info.

Center for Renaissance and Baroque Studies: "Attending to Women in Early Modern England," speakers & workshops, today-Nov. 10. Call 5-6830 for info.

Physics Colloquium: "Inflation and False Vacuum Bubbles," Alan Guth, MIT, 4 p.m., 1412 Physics. Call 5-5980 for info.

Society for Human Resource Management Meeting, Jane Giles, Agriculture, 5 p.m., 1102 Tydings, Happy Hour to follow. Call 4-2481 for info.

Movie: *Another 48 Hours*, 7:15 & 9:45 p.m., Hoff Theatre. Call 4-HOFF for info.

University Theatre: *The Wiz*, today-Nov. 11 & 15-17, 8 p.m., Sunday matinee, 2 p.m., Tawes Theatre. Call 5-2201 for info.

Renaissance & Baroque Studies Lecture: "Unpicking the Tapestry: The Scholar of Women's History as Penelope amongst her Suitors," Lisa Jardine, English & History, U. of London, 8:30 p.m., Center of Adult Education Auditorium. Call 5-6830 for info.

9 FRIDAY

Geology Seminar: "Petrologists' Views of Fluid Flow in the Crust," John Ferry, Johns Hopkins U., 11 a.m., 0105 Hornbake Library. Call 5-2783 for info.

Speech Communication Colloquium: "Media Criticism as Epistemic," James Chesebro, Speech Communication Association National Office, Annandale, VA, noon, 0138 Tawes. Call 5-6524 for info.

Published Women Luncheon, Deborah Rosenfelt, Women's Studies, noon-1 p.m., Carriage House, Rossborough Inn. Call 504-8013 for info & reservations.

Lunch n' Learn' Mental Health Lecture: "Eroticizing Safer Sex: Translating Knowledge into New Sexual Behaviors," Joseph Izzo, Whitman-Walker Clinic, Washington DC, 1-2 p.m., 3100E Student Health Center. Call 4-8106 for info.

University Community Concerts, the Kuijken Quartet, program TBA, 8 p.m., pre-concert seminar, 6:30 p.m., Center of Adult Education, \$17 standard admission, \$14.50 students and seniors. Call 80-4239 for info.

Movies: *Another 48 Hours & Goldfinger*, Hoff Theatre. Call 4-HOFF for info.

Maryland Invitational Women's Volleyball Tournament, UM vs. Liberty, 8 p.m., Cole Field House. Call 4-7064 for info.

University Theatre: *The Wiz*, 8 p.m., Tawes Theatre. See Nov. 8 for details.

10 SATURDAY

Department of Education Policy, Planning, & Administration Eighth Annual Research Forum, 8:30 a.m.-2 p.m., main lobby, Benjamin. Call 5-3567 for info.

Maryland Invitational Women's Volleyball Tournament, UM vs. West Virginia, 2 p.m., UM vs. Georgetown, 7 p.m., Cole Field House. Call 4-7064 for info.

Maryland Alumni Career Seminars Available

The 1990-91 Maryland Alumni Career Seminars represent a new collaboration between the College Park Alumni Association and the Career Development Center to offer assistance to alumni considering changes in their career status. These professional development seminars provide a new format for intensive training in career/professional development and career/job change skills. The seminar workshop fees are \$70 for Alumni Association members and \$95 for non-members and others. For details call Mac Saddoris, the program director, at 314-7225.

Maryland University Club Wine Tasting Dinner, featuring Robert Mondavi Wines, 7 p.m., Rossborough Inn, College Park. Call 4-8012 for info.

Movies: *Another 48 Hours & Goldfinger*, Hoff Theatre. Call 4-HOFF for info.

University Theatre: *The Wiz*, 8 p.m., Tawes Theatre. See Nov. 8 for details.

11 SUNDAY

History Lecture: "Leon Modena (1571-1648): The Man Who Invented the Jewish Renaissance," Bernard Dov Cooperman, Louis L. Kaplan Chair in Jewish History, 2:30 p.m., 2309 Art/Soc, reception following. Call 5-4268 for info.

Movie: *Another 48 Hours*, 5, 7:15, & 9:45 p.m., Hoff Theatre. Call 4-HOFF for info.

University Theatre: *The Wiz*, 2 p.m., Tawes Theatre. See Nov. 8 for details.

Women's Basketball vs. Athletes in Action, 2 p.m., Cole Field House. Call 4-7064 for info.

12 MONDAY

Art Gallery Exhibition: "Richard Diebenkorn: The '41 Etchings Drypoints Portfolio,'" today-Dec. 20, The Art Gallery, Art/Soc. Call 5-2763 for info.

Computer Science Colloquium: "Computing the Well-founded Semantics of Logic Problems," David S. Warren, SUNY Stony Brook, reception, 3:30 p.m., 1152 A.V. Williams Bldg., lecture, 4 p.m., 0111 Classroom Bldg. Call 5-2661 for info.

Psychology Distinguished Speakers Lecture: "Emotions & Brain Temperature," Robert Zajonc, U. of Michigan, 4 p.m., 1250 Zoo/Psych. Call 5-5867 for info.

Space Science Seminar: "Applying Space Plasma Theory to Astrophysical Jets," D. N. Baker, NASA/Goddard, 4:30 p.m., 1113 Computer & Space Sciences. Call 5-4829 for info.

Music Department Twentieth Century Ensemble Concert, 8:15 p.m., Tawes Recital Hall. Call 5-5548 for info.

13 TUESDAY

Zoology Seminar: "The Evolution of Gynodioecy in *Plantago lanceolata*," Lynn Broadbudd, Smithsonian Institute, noon, 1208 Zoo/Psych. Call 5-6939 for info.

History Department Lunch Bag Talk: "Petitions and the Emergence of Political Organization in Germany," James Harris, noon, 2119 Francis Scott Key. Call 5-4265 for info.

Meteorology Seminar: "Case Studies of Ozone in the Unpolluted Troposphere," Anne M. Thompson, NASA/Goddard, 3:30 p.m., 2114 Computer & Space Sciences, refreshments, 3 p.m. Call 5-5392 for info.

Science, Technology, and Society Program Lecture: "Skin and Books: Social Aspects of Emerging Medical Professionalism in the Late 19th Century," Carolyn Marvin, U. of Pennsylvania, 3:30 p.m., Maryland Room, Marie Mount, reception following. Call 5-5259 for info.

Physics Colloquium: "Reflections on the Philosophy of Physics,"

Arkady Migdal, Landau Institute for Theoretical Physics, Moscow, USSR, 4 p.m., 1410 Physics, tea reception, 3:30. Call 5-5980 for info.

Film Showing: *Wounded Knee & Big Mountain*, discussion on Native American region to follow, 4-6 p.m., Non-print Media Center, Hornbake Library. Call 5-8458 for info.

Movies: *Camille Claudel*, 6:30 & 9:30 p.m., Hoff Theatre. Call 4-HOFF for info.

Public Affairs Lecture: "Competition with our Friends: Innovation," Martin Baily, Economics, 7:30 p.m., Center for Advanced Research in Biotechnology, Shady Grove. Call 5-6330 for info.

14 WEDNESDAY

Capital Association for Women Deans, Administrators, and Counselors Meeting: "Women in the Executive Ranks," Kathryn Costello, Vice President, Institutional Advancement, 8-9:30 a.m., Chesapeake Room, Center of Adult Education. Call 5-4680 for info.

Office of Human Relations Multicultural Awareness Days: "Enhancing Teaching, Learning and Working in a Culturally Diverse Campus Community," today & tomorrow, 8:30 a.m.-5 p.m., Stamp Student Union. Call 4124 for info.

Employee Development Seminar: "Principles of Supervision," today & tomorrow, 9 a.m.-4 p.m., 1112 A.V. Williams Bldg. & Marie Mount. Call 5-5651 for info.

Counseling Center Research & Development Meeting: "The New Majority: The Transfer Student," George Marx, Academic Affairs, noon-1 p.m., 0106-0114 Shoemaker. Call 4-7691 for info.

Outstanding Hispanic Scholars Seminar: "Science and Mythology of Medicinal Plants of the Puerto Rico/Latino World," Eloy Rodriguez, U. of California at Irvine, 3 p.m., Maryland Room, Marie Mount. Call 5-3912 for info.

Zoology Seminar: "Energetics and Development of Striped Bass (*Morone saxatilis*) and Striped Bass x White Bass (*M. chrysops*) Hybrid Larvae," Helen Large-Mulligan, Zoology, 3:30 p.m., 1208 Zoo/Psych. Call 5-6887 for info.

Department of Spanish & Portuguese Lecture: "Prospero, Caliban, and Black Sambo: Colonial Views of the Other in the West Indies," Nancie Gonzalez, 5:30 p.m., St. Mary's. Call 5-6441 for info.

Movie: *Camille Claudel*, 6:30 & 9:30 p.m., Hoff Theatre. Call 4-HOFF for info.

Committee for Undergraduate Women's Leadership Seminar: "Women Athletes as Leaders," panel discussion featuring current athletes, alumni, & coaches, 7:30-9 p.m., Maryland Room, Marie Mount. Call 4-8505 for info.

Improvisations Unlimited Dance Performance, featuring works by Anne Warren, today-Nov. 17, 8 p.m., Studio Theatre, Dance Bldg., \$8 standard admission; \$5 students & seniors. Call 5-3180 for info.

Music Department Graduate String Quartet Showcase, 8 p.m., Tawes Recital Hall. Call 5-5548 for info.

* Admission charge for this event. All others are free.